

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Amended) An interconnection ~~Interconnection~~ support for plate-like micro-components constructed and arranged for receiving fluid material to carry out chemical reactions, the interconnection support having at least one support rail (2) on the interconnection support which is attached to a support plate (3) and which has an insertion slot (4) for the accommodation of at least a first an insertion edge (5) of a plate-like microcomponent (1), the interconnection support having with line connections (10, 10a, 13) being constructed and arranged to be ~~which can be~~ connected to associated connections ~~(11-14)~~ (14) ~~in~~ through at least one outside surface (1a, 1b) of the plate-like microcomponent (1) to transfer fluid materials to and from the plate-like microcomponent, the line connections being provided in at least one of the two side walls (9, 12) of the insertion slot (4) of the support rail (2).

2. (Amended) The interconnection ~~Interconnection~~ support according to Claim 1, ~~characterized in that~~ wherein at least one of the side walls (9) of the insertion slot (4) has at least one threaded hole (10) therethrough for the accommodation of a threaded ~~screw-connection~~ fluid coupling (10a), ~~which can be~~ to couple a fluid line 10b to the hole 10 that is screwed against the associated outside surface (1a) of the plate-like microcomponent (1) adjacent to the associated connection (14) in the microcomponent.

3. (Amended) The interconnection ~~Interconnection~~ support according to Claim 1,

~~characterized in that~~ wherein, at ~~one~~ a first end (4a) of the insertion slot (4), a spring (7) is arranged which acts in the longitudinal direction of the slot allowing and by means of which the plate-like microcomponent (1) ~~can~~ to be pressed against a ~~centring~~ centering stop (8) at ~~the other~~ a second end (4b) of the insertion slot (4).

4. (Amended) The interconnection ~~Interconnection~~ support according to Claim 2, ~~characterized in that~~ wherein the electrical contact surfaces (13), ~~which can~~ are constructed and arranged to be brought into contact with associated electrical contacts (14) of the plate-like microcomponent (1), are arranged between the at least one threaded ~~holes~~ hole (10) ~~or in~~ at the ~~opposite~~ other side wall (12) of the insertion slot (4).

5. (Amended) The interconnection ~~Interconnection~~ support according to Claim 1, ~~characterized in that~~ wherein the support rail (2) is connected to a connection rail (15) which extends perpendicular to the support plate (3) and has an insertion slot (16) for the accommodation of a ~~further~~ second insertion edge (17) of the plate-like microcomponent (1), ~~where~~ wherein line connections (13) for electrical lines (18) connected ~~which can be connected~~ to associated connections in at least one outside surface of the plate-like microcomponent (1) are provided in at least one of ~~the~~ two side walls ~~of~~ defining the insertion slot (16) of the connection rail (15).

6. (Amended) The interconnection ~~Interconnection~~ support according to Claim 5, ~~characterized in that~~ wherein the support rail (2) has more than one ~~the~~ threaded ~~holes~~ hole (10) for the accommodation of ~~the screw connections~~ more than one threaded fluid connection (10a), and

wherein the connection rail (15) has electrical contact surfaces (13).

7. (Amended) The interconnection ~~Interconnection~~ support according to Claim 1, ~~characterized in that~~ wherein a connection holder (19) which is separate from the support rail (2) has an accommodation slot (20) for an insertion edge (21) of the plate-like microcomponent (1) disposed opposite the first insertion edge, and ~~in that~~ wherein electrical contact surfaces (13), which ~~can be~~ are brought into contact with associated contacts of the plate-like microcomponent, are arranged in at least one side wall (20a) of the accommodation slot (20).

8. (New) The interconnection support of Claim 1 wherein the plate-like microcomponents comprise plane-parallel plates superimposed on one another, the plane parallel plates having surface structures providing space for chemical reactions.

9. (New) In combination, an interconnection support and at least one plate-like microcomponent, the plate-like microcomponent having plane-parallel plates superimposed on one another and defining surface structures providing space for chemical reactions; the combination comprising:

an interconnection support for the plate-like micro-components being constructed and arranged for receiving fluid material, the interconnection support having at least one support rail (2) on the interconnection support which is attached to a support plate (3) and which has an insertion slot (4) for the accommodation of at least a first insertion edge (5) of a plate-like microcomponent (1), the interconnection support having line connections (10, 10a, 13) for connection to associated

fluid connections (14) through at least one outside surface (1a, 1b) of the plate-like microcomponent (1) to transmit fluid materials into and out of the plate-like microcomponent, the line connections being provided in at least one of the two side walls (9, 12) of the insertion slot (4) of the support rail (2); and

at least one of the side walls (9) of the insertion slot (4) having at least one threaded hole (10) therethrough for the accommodation of a threaded fluid coupling (10a) to couple a fluid line (10b) to the hole 10 that is screwed against the associated outside surface (1a) of the plate-like microcomponent (1).

10. (New) The combination according to Claim 10, wherein at a first end (4a) of the insertion slot (4), a spring (7) is arranged which acts in the longitudinal direction of the slot allowing the plate-like microcomponent (1) to be pressed against a centering stop (8) at a second end (4b) of the insertion slot (4).

11. (New) The combination according to Claim 11, wherein the electrical contact surfaces (13), constructed and arranged to be brought into contact with associated electrical contacts (14) of the plate-like microcomponent (1), are arranged between the at least one threaded hole (10) at the other side wall (12) of the insertion slot (4).

12. (New) The combination according to Claim 10, wherein the support rail (2) is connected to a connection rail (15) which extends perpendicular to the support plate (3) and has an insertion slot (16) for the accommodation of a second insertion edge (17) of the plate-like microcomponent (1),

wherein line connections (13) for electrical lines (18) connected to associated connections in at least one outside surface of the plate-like microcomponent (1) are provided in at least one of two side walls defining the insertion slot (16) of the connection rail (15).

13. (New) The combination according to Claim 12, wherein the support rail (2) has more than one threaded hole (10) for the accommodation of more than one screw connection (10a), and wherein the connection rail (15) has electrical contact surfaces (13).

14. (New) The combination according to Claim 13, wherein a connection holder (19) which is separate from the support rail (2) has an accommodation slot (20) for an insertion edge (21) of the plate-like microcomponent (1) disposed opposite the first insertion edge, and wherein electrical contact surfaces (13), which are brought into contact with associated contacts of the plate-like microcomponent, are arranged in at least one side wall (20a) of the accommodation slot (20).